Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/17/2020 08:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125303	0	1.82	125447	1.78
Blue	F	SSC	125000	125187	0	2.71	126086	2.68
Blue	E	FITC	14203	13721	-4	2.40	298	15.39
Blue	D	PE	25703	25402	-2	2.01	550	10.62
Blue	B	PerCP-Cy5-5	42104	41168	-3	2.97	918	14.55
Blue	A	PE-Cy7	34646	34106	-2	4.36	481	29.05
Red	C	APC	49824	48380	-3	2.41	1481	10.94
Red	A	APC-Cy7	39773	38617	-3	2.35	723	11.58
Violet	B	V450	7447	7142	-5	3.91	401	12.94
Violet	A	V500	31193	30248	-4	3.79	687	11.03

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21729	2.25	544	-12	N/A	N/A	Pass
Blue	F	SSC	55221	2.18	514	2	N/A	N/A	Pass
Blue	E	FITC	54	57.02	485	-1	0.0433	270	Pass
Blue	D	PE	109	38.02	487	2	0.3603	251	Pass
Blue	B	PerCP-Cy5-5	176	36.77	579	2	0.0197	98	Pass
Blue	A	PE-Cy7	109	66.53	623	3	0.0234	19	Pass
Red	C	APC	344	23.25	565	-2	0.0301	110	Pass
Red	A	APC-Cy7	200	23.97	541	-3	0.0062	390	Pass
Violet	B	V450	88	42.59	457	8	0.0460	1683	Pass
Violet	A	V500	120	35.02	475	8	0.0223	1402	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.50	-31.29	0.95
Blue	20.36	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.41
Red	20.89	15.99 - 23.99	N/A	N/A	29.74	29.94	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.78

Threshold

Threshold (FSC): 12410

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments